



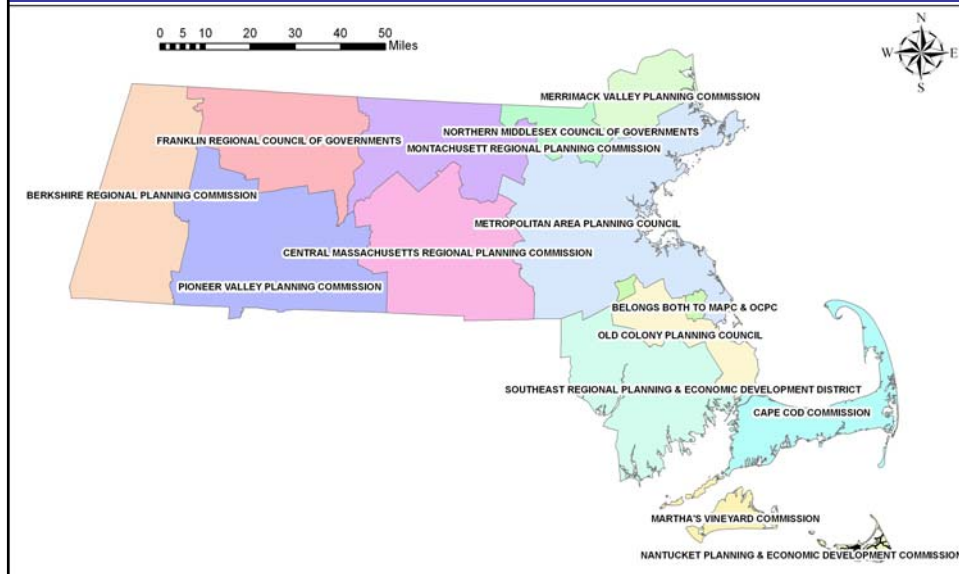
Nantucket Regional Transportation Plan 2007 – 2030

Public Participation Meetings

Outline of Presentation

1. Plan Development Process
2. SAFETEA-LU Regulations
3. Community Demographics
4. Goals and Objectives
5. Transportation facilities:
 - a) Roadway facilities
 - b) Public transportation facilities
 - c) Bicycle and Pedestrian facilities
 - d) Water-borne transportation
 - e) Air-borne transportation

Map of Massachusetts Regional Planning Agencies



Regional Transportation Plan Update: Development Process

August to September 2006	Public Outreach and development of draft goals and objectives.
October to November 2006	Recommended projects and programs and development of preliminary draft
November to December 2006	Coordinate review of draft with land use, environmental, historic preservation, and tribal agencies.
December 2006 to January 2007	Coordinate review of draft with FHWA, FTA, EOT, and District 5
January to February 2007	Conduct 30-day public review of draft
March 2007	NP&EDC endorsement of the Plan

SAFETEA-LU Regulations

- **August 10, 2005** the President signed into law the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (**SAFETEA-LU**).
- Funding for highways, highway safety, and public transportation totaling \$244.1 billion.
- **Safety** - almost doubling the funds for infrastructure safety and requiring strategic highway safety planning, focusing on results
- **Equity** - building toward a minimum 92 percent relative rate of return by 2008
- **Innovative finance** - makes it easier and more attractive for the private sector to participate in highway infrastructure projects
- **Congestion Relief** - provide better information to travelers and emergency responders.
- **Mobility & Productivity** - fund critical high-cost transportation infrastructure projects of national and regional significance
- **Efficiency** - using innovative technologies and practices to speed up the construction of efficient and safe highways and bridges
- **Environmental Stewardship** - increases funding for environmental programs
- **Environmental Streamlining** - incorporates changes aimed at improving and streamlining the environmental process

SAFETEA-LU Planning Factors

1. Support Economic Vitality
2. Increase Accessibility and Mobility
3. Protect and enhance the Environment
4. Enhance Modal Integration
5. Promote Efficient System Management
6. Preserve the Existing System
7. Increase Safety
8. Increase Transportation Security

SAFETEA-LU Planning Factors

Environmental Mitigation Activities:

An example would be looking at maps or plans addressing wetlands or conservation areas, together with the entities that are responsible for those resources, then discussing with those entities whether the areas the RTP calls for studies for potential improvement projects to occur have potential to impact those resources.

Consultation and Cooperation:

Comparing the RTP to plans, maps and inventories so the RTP is developed comprehensively.

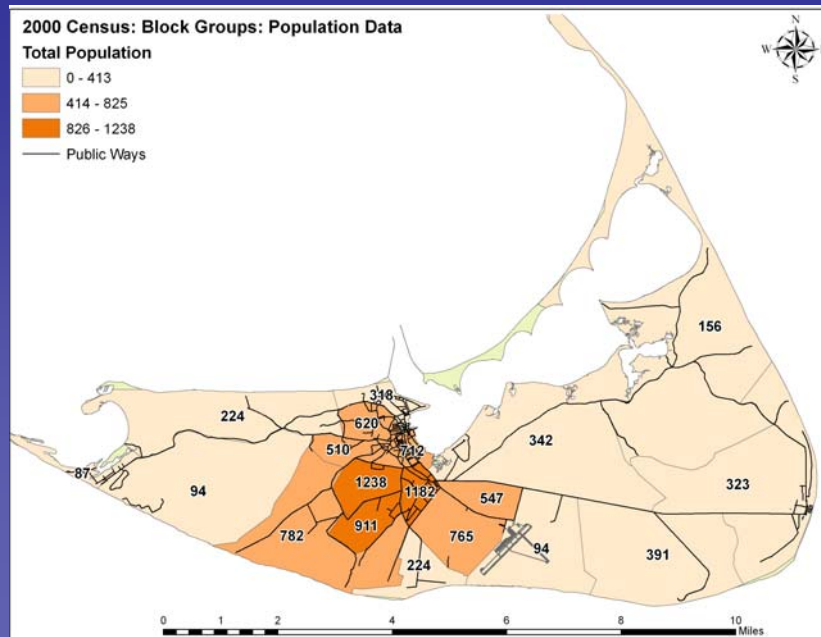
Visualization:

Visualization is ensuring that MPOs determine the most effective methods to convey a good understanding of the RTP and other planning efforts.

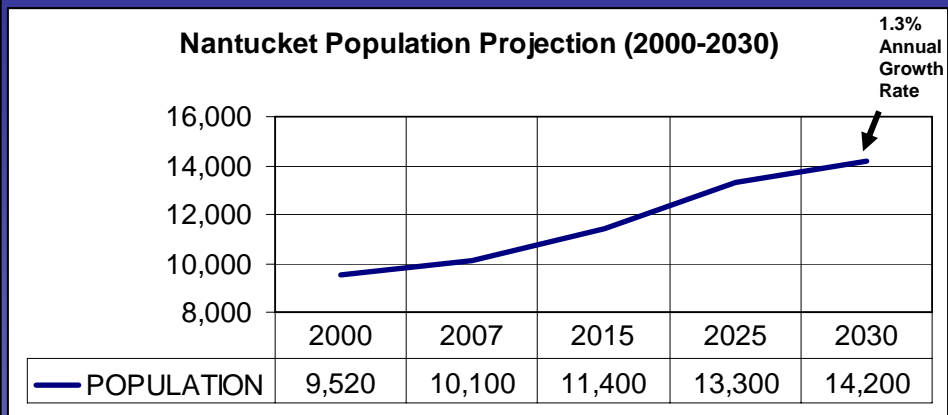


Community Demographics

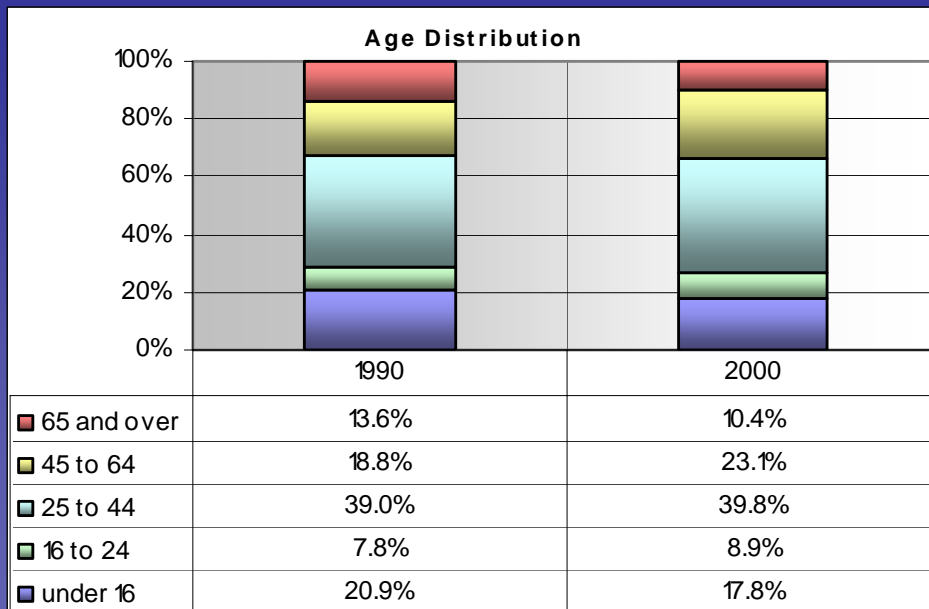
Community Demographics



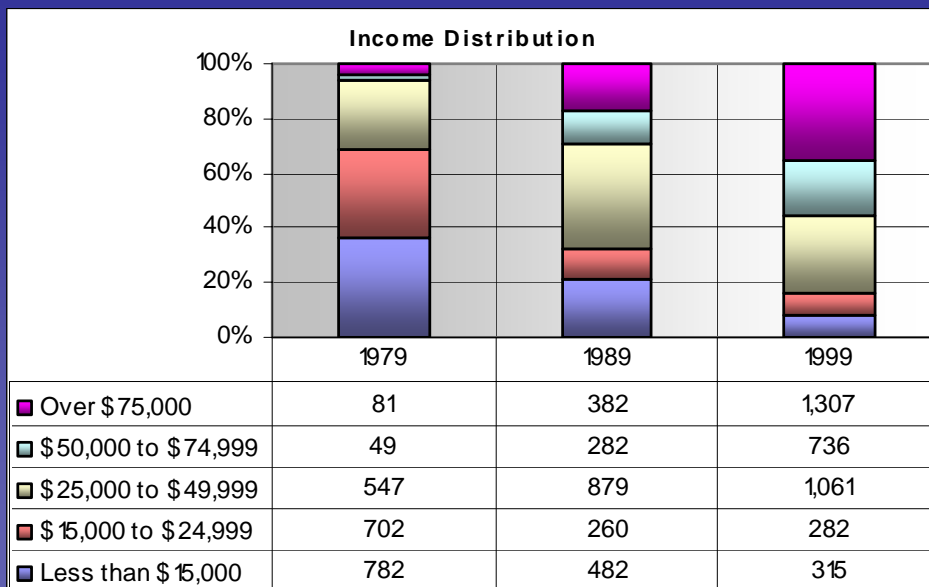
Community Demographics



Community Demographics

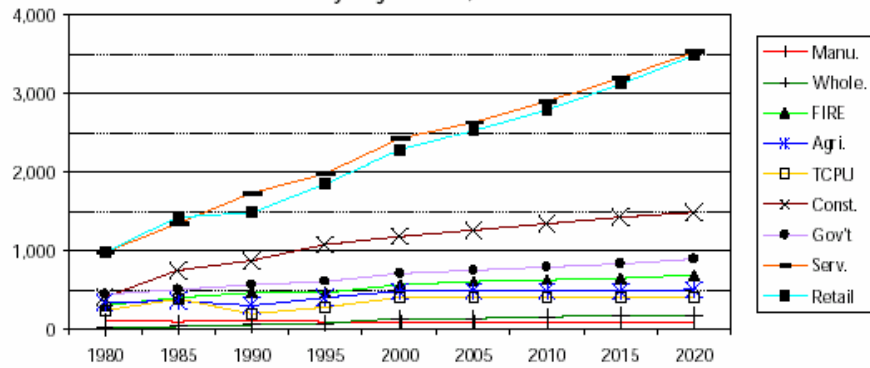


Community Demographics



Community Demographics

Local Employment Trends and Projections
by Major Sector, 1980-2020

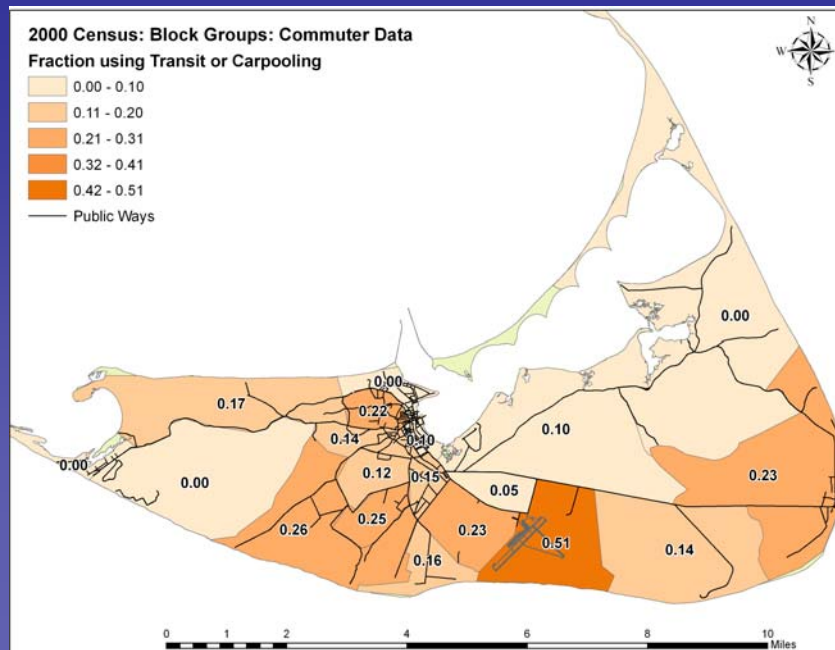
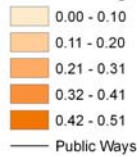


Source: Woods & Poole Economics, Inc.

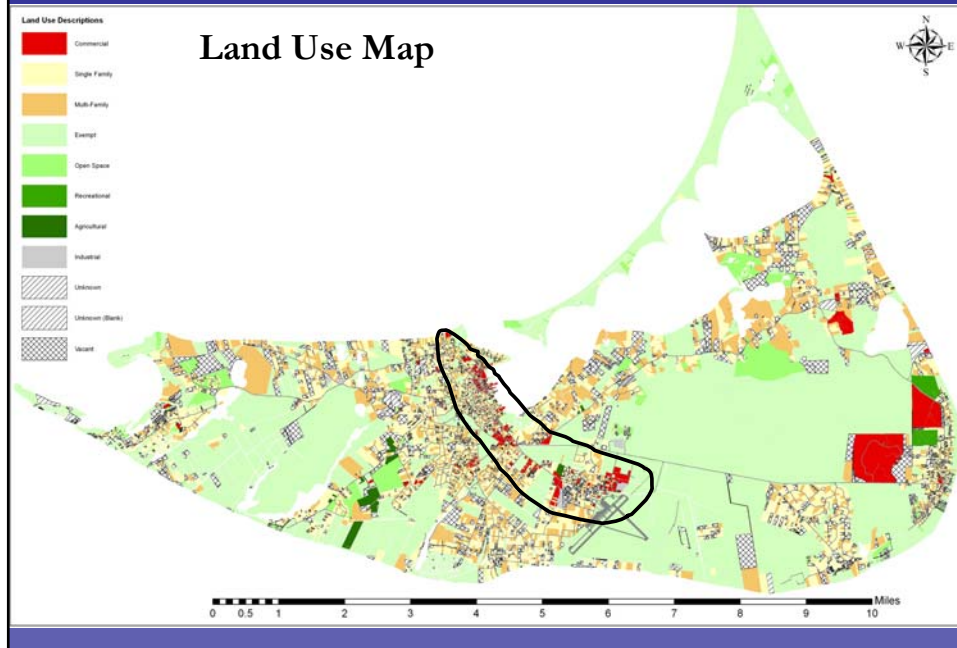
Community Demographics

2000 Census: Block Groups: Commuter Data

Fraction using Transit or Carpooling

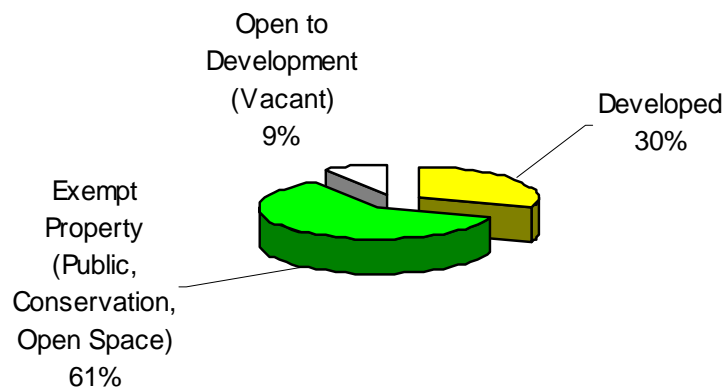


Community Demographics



Community Demographics

Percent of Developed, Vacant, or Exempt Land

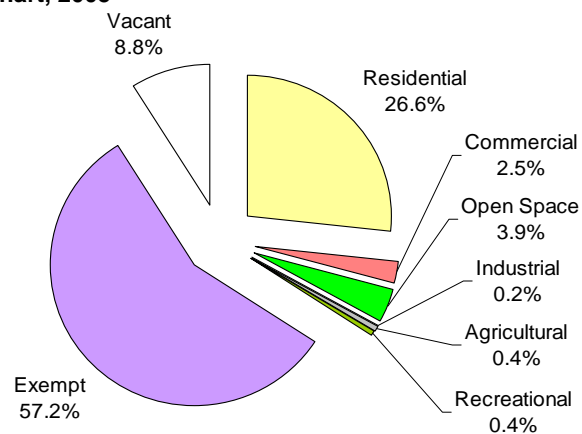


Community Demographics

Land Use	1987	1991	1997	2003	2005
Developed	13.0%	23.0%	30.0%	31.3%	30.1%
Exempt Property (Public, Conservation, Open Space)	34.0%	37.0%	40.0%	57.8%	61.1%
Open to Development (Vacant)	53.0%	40.0%	30.0%	10.8%	8.8%

Community Demographics

Land Use Chart, 2005





Goals

Goals

Nantucket's transportation challenge for the next twenty years is to try to **minimize the number of cars coming to the Island and trying to minimize the actual use of cars once they are here.** The principal mechanisms suggested for accomplishing this goal are to:

- Shorten distances between trip origins and destinations by promoting a village-centered settlement pattern;
- Offer a broad array of alternative transportation modes to the traveling public;
- Reduce the amount of development that could be built on the Island;
- Ultimately, find an equitable and legal way to limit cars coming on-Island;
- Create alternatives for parking in the downtown area; and
- Utilize the telecommunication infrastructure as a means to reduce the number of trips.

Goals

MAJOR GOAL:

To provide a transportation system that will move people and goods to, from, and around the Island in a way that is safe, convenient, economical, and sensitive to the character of the various areas of the Island.

Goals

AUTO-DEPENDENCY

- Minimize Future Automobile Dependency
- Create infrastructure consistent with the Town and Country concept.
- Reduce traffic congestion and improve safety in the vicinity of Nantucket's schools.

Goals

INTER-MODAL TRANSPORTATION

- Integrate the planning of all modes of transport to, from, and on the island.
- Seek mitigation of the off-island impacts of Nantucket's seasonal visitors.

Goals

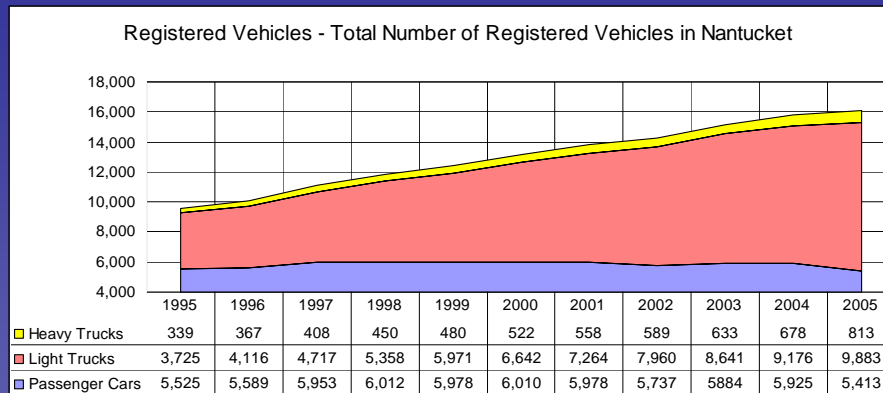
HISTORIC / ENVIRONMENTAL RESOURCES

- Consider environmental and historical impacts of any transportation system improvement.
- Adopt transportation policies and regulations in keeping with Nantucket's historic character.

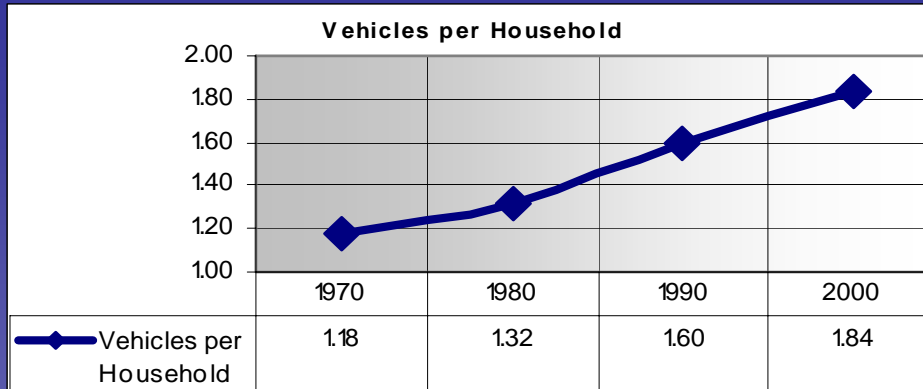


Roadway Facilities

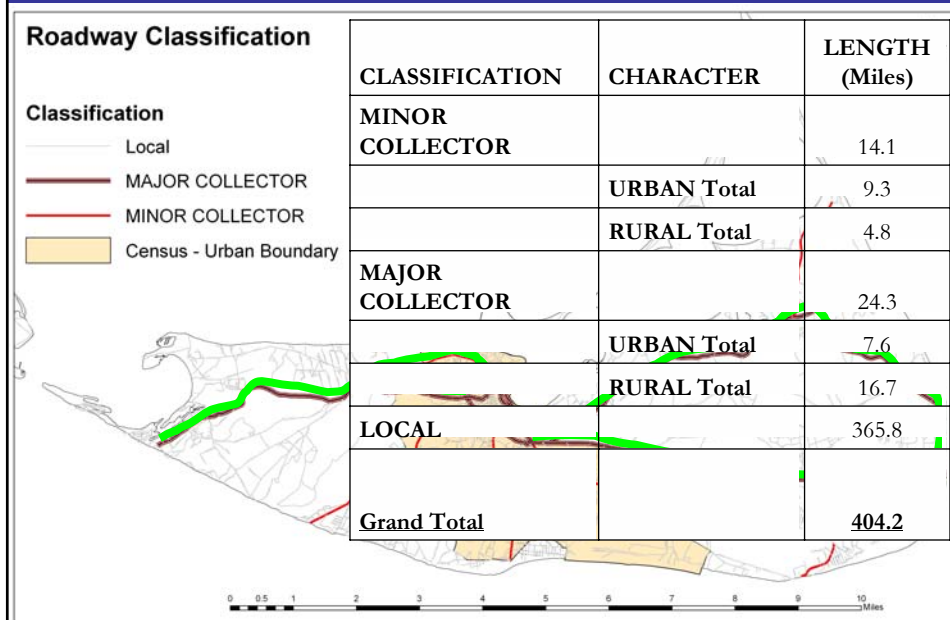
Roadway Facility Profile



Roadway Facility Profile



Roadway Facility Profile

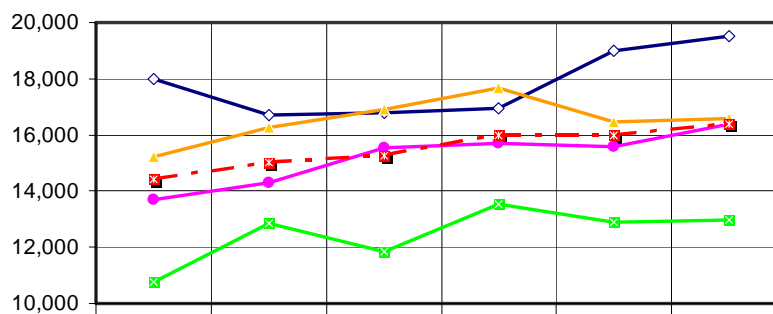


Roadway Facility Profile



Roadway Facility Profile

Average Daily Traffic of the Four Highest Volume Streets



	2000	2001	2002	2003	2004	2005
Milestone	17,973	16,689	16,780	16,949	19,002	19,530
Old South Road	13,681	14,317	15,537	15,719	15,597	16,405
Orange Street	15,211	16,285	16,888	17,663	16,449	16,605
Surfside Road	10,770	12,858	11,857	13,542	12,887	12,960
Average ADT	14,409	15,037	15,266	15,968	15,984	16,375

Goals

ROADWAYS

- Accommodate the need for bulk delivery of commodities to the Island in a manner that is efficient, cost-effective, and in keeping with the character of the community.
- Develop an equitable and enforceable means to control off-road vehicle abuses on public and private property.
- Rely upon road design and traffic control approaches that maximize public safety.
- To manage the flow of traffic throughout the downtown area.



Public Transportation Facilities

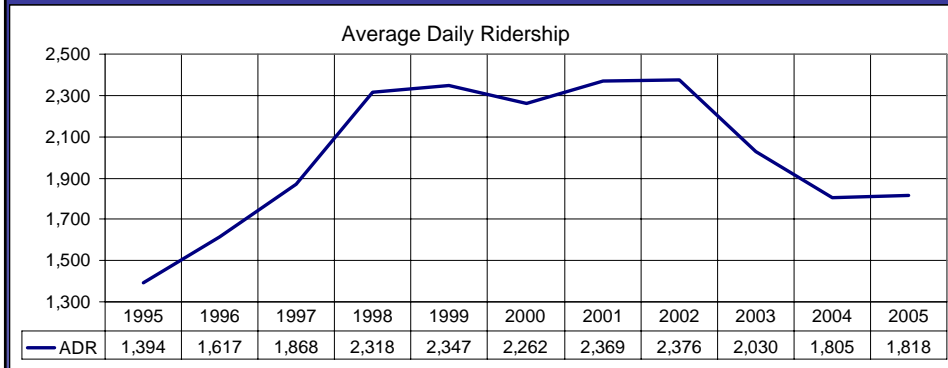
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Public Transportation Facility Profile

NRTA Annual Ridership

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Ridership	139,364	197,219	227,937	282,810	286,380	291,783	317,468	307,236	259,868	231,099	241,857

Public Transportation Facility Profile



Public Transportation Facility Profile

Park and Ride Lots



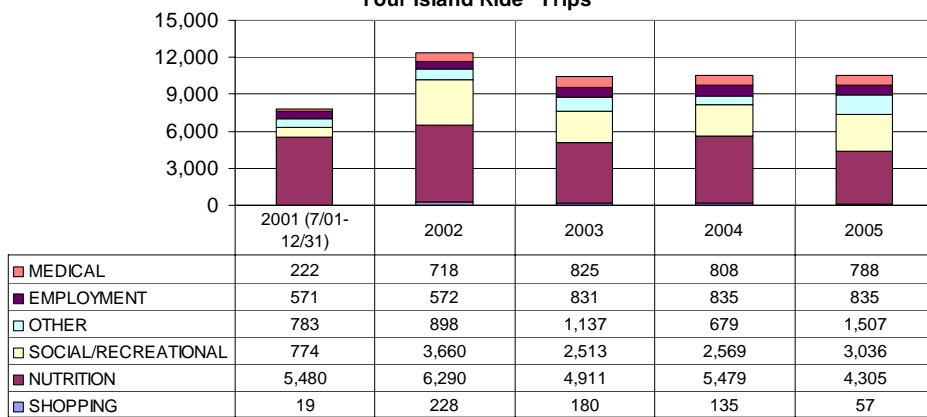
Public Transportation Facility Profile

Park and Ride Lots



Public Transportation Facility Profile

"Your Island Ride" Trips



Goals

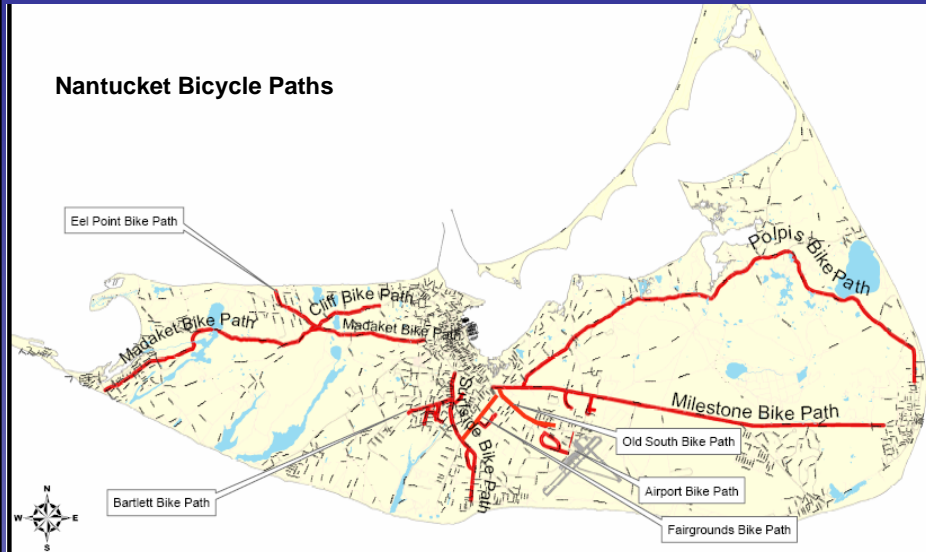
PUBLIC TRANSPORTATION

- Improve and expand the Nantucket Regional Transit Authority incorporating the needs of the elderly, disabled, school children, summer visitors, and the year-round community.
- Continue efforts to educate residents and visitors of the shuttle system through strategic marketing.
- To increase the efficiency and level of service of the island's taxi services.
- To encourage the use of vans or jitneys.
- To enhance and enforce the regulations governing tour vehicles.



Bike and Pedestrian Facilities

Bike and Pedestrian Facility Profile



Goals

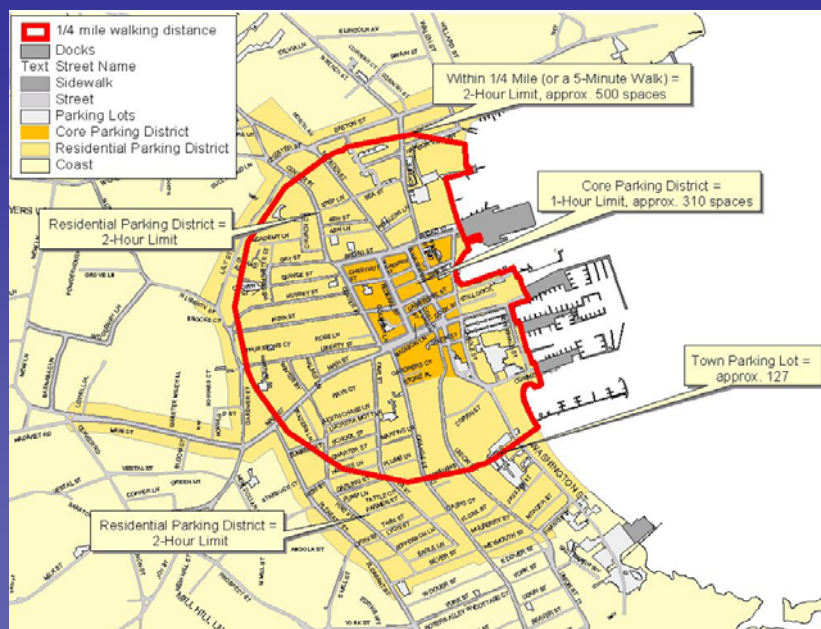
BIKE AND PEDESTRIAN FACILITIES

- Expand and maintain an Island-wide system of bicycle paths in accordance with the Update of the Bicycle and Pedestrian Master Plan.
- Improve opportunities for walking throughout the community.
- To promote the expansion of bicycle usage.
- To strive for transportation plans that are consistent with planning efforts.



Parking Facilities

Parking Facility Profile



Goals

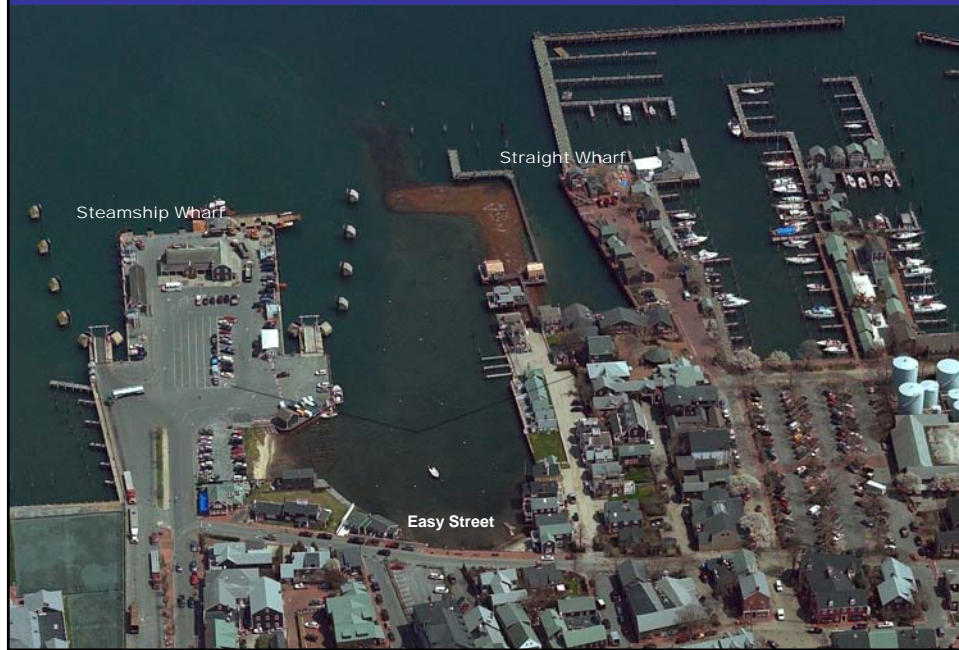
PARKING FACILITIES

- Provide reasonable parking opportunities accessory to downtown and out-of-town residential and commercial growth which are consistent with anticipated demand and with the limits of the natural and built environment.
- To manage parking and discourage the use of motor vehicles in downtown.



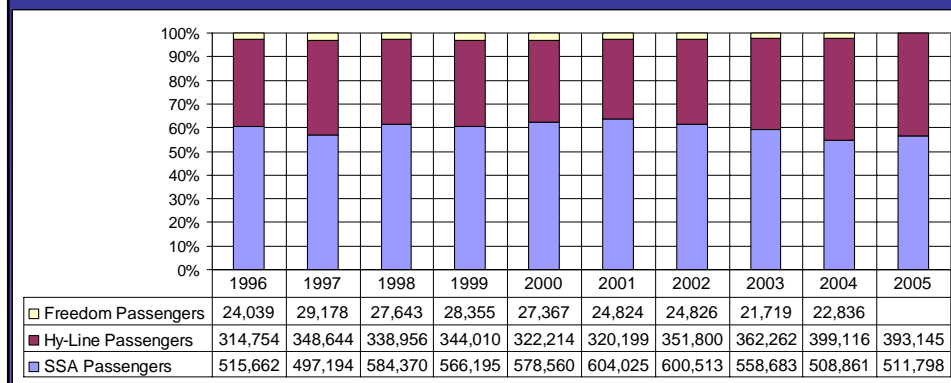
Waterborne Travel Facilities

Waterborne Travel Facility Profile



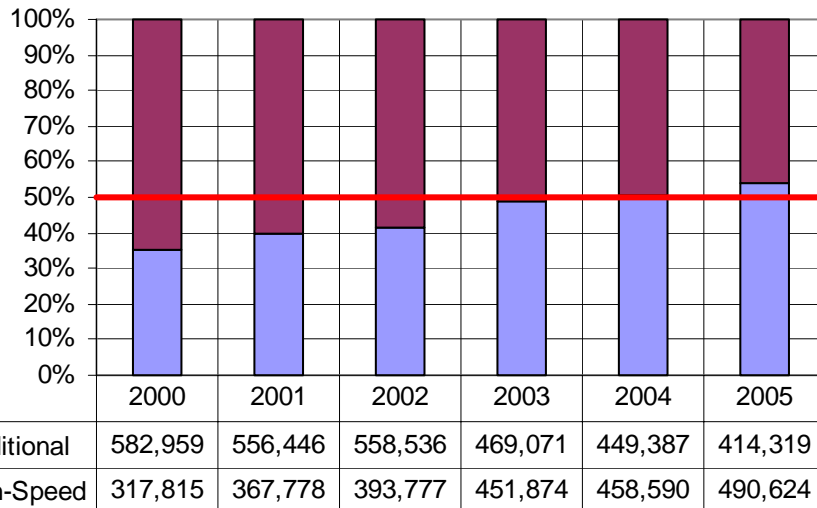
Waterborne Travel Facility Profile

Ferry Passenger Totals



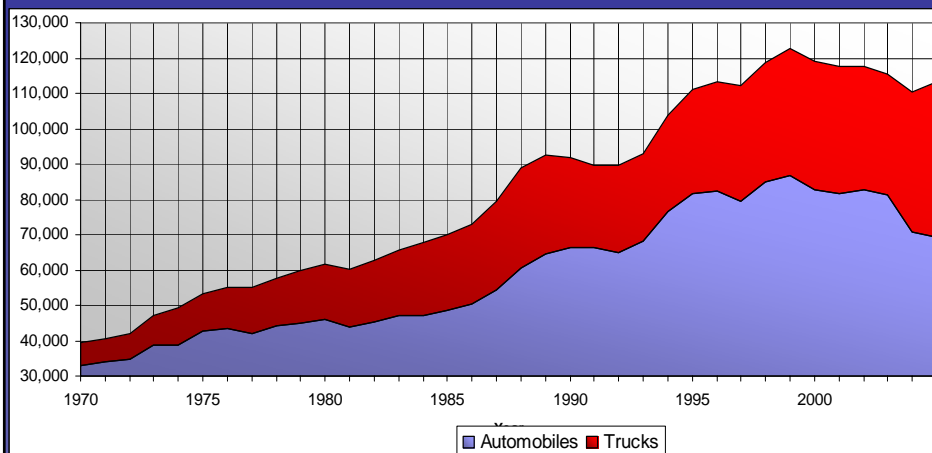
Waterborne Travel Facility Profile

Traditional vs. High-Speed Ferry Passenger Totals



Waterborne Travel Facility Profile

Vehicle Totals (passenger cars + trucks)



Goals

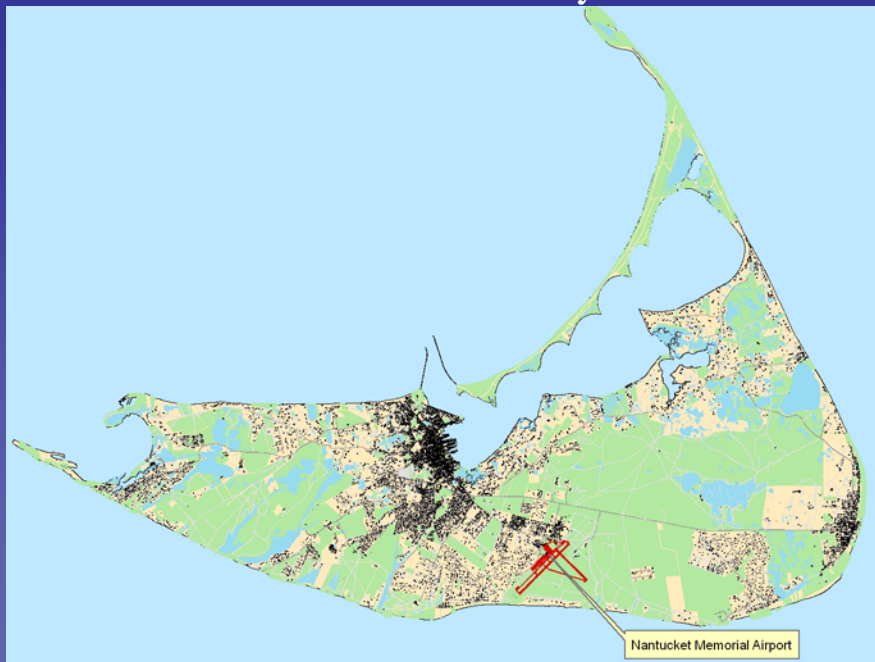
WATERBORNE TRAVEL FACILITIES

- Provide an efficient and convenient water-transportation system that connects mainland ports with Nantucket Harbor.
- Encourage the coordination of land side services on Nantucket at time of ferry arrivals.
- Encourage the provision of freight service to the island that is dependable, affordable, and meets the economic needs of the island, while considering the land-side effects of scheduling, vehicle size, and trip frequency.
- Coordinate Steamship Authority and private passenger carrier arrivals and departures with land side transportation.
- Improve traffic congestion and safety in the vicinity of ferry terminals.



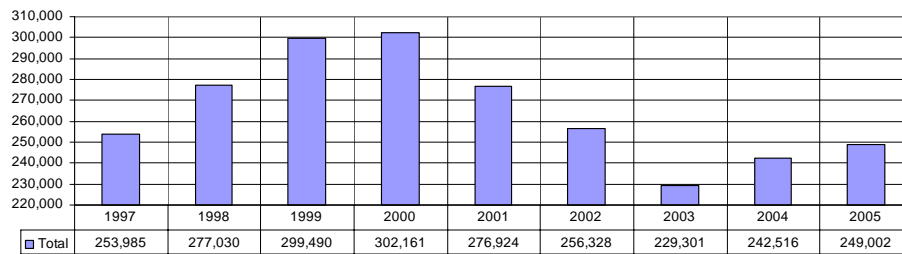
Airborne Travel Facilities

Airborne Travel Facility Profile

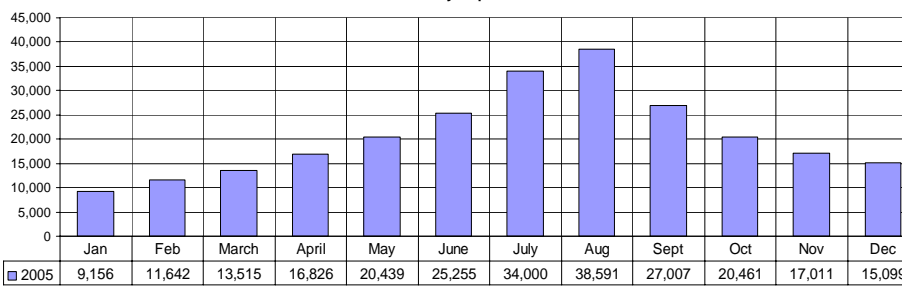


Airborne Travel Facility Profile

Nantucket Memorial Airport: Total Annual Enplanements 1997 - 2004



2005 Monthly Enplanements



Goals

AIRBORNE TRAVEL FACILITIES

- Provide for safe and convenient access to the island through its other port of entry, Nantucket Memorial Airport, while considering the island's environmental and historical limitations

Next Steps:

October to November 2006	Recommended projects and programs and development of preliminary draft
November to December 2006	Coordinate review of draft with land use, environmental, historic preservation, and tribal agencies.
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